Claims

- 1. An agent for protecting cardiac damage, wherein the agent contains an effective amount of at least one protease inhibitor and is administered intravenously or orally.
- 2. The agent for protecting cardiac damage according to Claim 1, wherein the protease inhibitor is a serine protease inhibitor.
- 3. The agent for protecting cardiac damage according to Claim 2, wherein the serine protease inhibitor is a chymotrypsin-like serine protease inhibitor.
- 4. The agent for protecting cardiac damage according to Claim 3, wherein the chymotrypsin-like serine protease inhibitor is a chymase inhibitor.
- 5. The agent for protecting cardiac damage according to Claim 4, wherein the chymase inhibitor is a peptide derivative of aryl diester of alpha-aminoalkylphosphonic acid.
- 6. The agent for protecting cardiac damage according to Claim 4, wherein the chymase inhibitor is Suc-Val-Pro-Phe^P(OPh)₂.
- 7. The agent for protecting cardiac damage according to Claim 4, wherein the chymase inhibitor is an enriched preparation of enantiomer $Suc-Val-Pro-L-Phe^{P}(OPh)_{2}$ of $Suc-Val-Pro-Phe^{P}(OPh)_{2}$.

- 8. The agent for protecting cardiac damage according to Claim 7, wherein the Suc-Val-Pro-L-Phe^P(OPh)₂ comprises greater than 95% by weight of the total Suc-Val-Pro-Phe^P(OPh)₂ in the enriched preparation of the enantiomer.
- 9. The agent for protecting cardiac damage according to any one of Claims 1-8, wherein the protease inhibitor is bound to a transmitter for maintaining an effective local concentration of the protease inhibitor in the relevant site and then administered, the transmitter being a carrier having a high molecular weight selected from the group consisting of hyaluronic acid, hydrogel, carboxymethylcellose, dextran, cyclodextran and a composition of compounds thereof.
- 10. An agent mixture for protecting cardiac damage, comprising the protease inhibitor according to any one of Claims 1-9 and a pharmaceutically acceptable diluent solution or excipient.
- 11. A method for improving arrhythmia, cardiac desmoplasia and / or heart-failure, wherein the agent mixture for protecting cardiac damage according to Claim 10 is administered to a vertebrate subject in a case where the arrhythmia, cardiac desmoplasia, and heart-failure are likely to accompany with hypertension, hypercardia, myocardial infarction, arteriosclerosis, diabetic and

non-diabetic renal diseases, re-stenosis posterior to PTCA.

- 12. A use of the agent mixture for protecting cardiac damage according to Claim 10, wherein the use comprises making a medicine which is applied against arrhythmia, cardiac desmoplasia and / or heart-failure in a case where the arrhythmia, cardiac desmoplasia, and heart-failure are likely to accompany with hypertension, hypercardia, myocardial infarction, arteriosclerosis, diabetic and non-diabetic renal diseases, and re-stenosis posterior to PTCA.
- 13. A use of the agent mixture for protecting cardiac damage according to Claim 10, wherein the use comprises using as a agent for improving arrhythmia, cardiac desmoplasia and / or heart- failure in a case where the arrhythmia, cardiac desmoplasia, and heart-failure are likely to accompany with hypertension, hypercardia, myocardial infarction, arteriosclerosis, diabetic and non-diabetic renal diseases, and re-stenosis posterior to PTCA.